From: Maria Fernandez [MFernandez@SiegelGas.com]

Sent: Monday, January 12, 2004 3:09 PM

To: Stephan Lamarque

Subject: MATERIA SAFETY DATA SHEET

Flag Status: Flagged

MATERIAL SAFETY DATA SHEET

LIQUEFIED PETROLEUM GAS UN 1075 (Propane)



Section I MATERIAL SAFETY DATA SHEET

Supplier's Name: Siegel Gas & Oil Corp. For Emergency Response: (877) 438-2343

Supplier's Address: 7400 N.W. 30th Ave. Miami, FL 33147

Chemical Name: LIQUEFIED PETROLEUM GAS (PROPANE) Formula: C3H8

CAS Registry No.: 74-98-6 Chemical Family: Hydrocarbon

WARNING: Danger! Extremely flammable. Compressed Gas

Asphyxiant in high concentrations. Contact with liquid causes burns

similar to frost bite. OSHA permissible exposure limit:

(PEL) 1000 ppm for an 8-hour workday.

Appearance and Odor: Vapor and liquid are colorless. Product

contains an odorant (unpleasant odor).

Section II HAZARDOUS INGREDIENTS

Hazardous Mixtures: Air with 2.15 to 9.60 percent propane

Section III PHYSICAL DATA

Boiling Point: -44 & ordm; F Vapor Pressure (PSIG) at 100 & ordm; F: 205

Specific Gravity (H2O = 1): 0.51 Percent, Volatile by Volume (%): 100

Vapor Density (air = 1): 1.52 Evaporation rate: Gas at normal ambient temperatures

Solubility in Water: Slightly

Section IV FIRE AND EXPLOSION HAZARD DATA

Flash Point: 156 & ordm; F(CC) Classification: Flammable Gas UN 1075

Flammable Limits – LFL: 2.15 ___UFL: 9.60 Extinguishing Media: Water spray-Class A-B-C or

BC fire extinguisher.

Special Fire Fighting Procedures: Stop flow of gas. Use water to keep fire exposed containers cool. Use water spray to disperse un-ignited gas or vapor. If ignition has occurred and no water available, tank metal may weaken from overheating. Evacuate area. If gas has not ignited, LP-gas liquid or vapor may be dispersed by water spray or flooding.

Decomposition Products under Fire Conditions: Fumes, smoke, carbon monoxide, aldehydes and other decomposition products, in the case of incomplete combustion or when used as an engine fuel. "EMPTY" Container Warning: "Empty" containers retain residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to clean since residue is difficult to remove. All containers should be disposed of in safe manner and in accordance with regulations.

Section V HEALTH HAZARD

OSHA P.E.L.: 1000 PPM ACGIH TLV: 1000 PPM Effects of Overexposure: Inhalation – concentrations can lead to symptoms ranging from dizziness to anesthesia and respiratory arrest. Eyes - moderate irritation. Emergency & First Aid procedures: Inhalation - remove to fresh air. Guard against self injury. Apply artificial respiration if breathing has stopped. Exposure to skin – Flush with warm water for 5 minutes or more.

Section VI R	EACTIVI	TY DATA
--------------	---------	---------

Stable: X Unstable:	Hazardous Decomposition Products:	None
Incompatibility (materials to avoid): N	lixing with oxygen or air, except at burn	er
Hazardous Polymerization: May occu	ur Will not occur X	

Section VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released: Keep public away. Shut off supply of gas. Eliminate sources of ignition. Ventilate the area. Disperse with water spray. Contact between skin and these gases in liquid form can cause freezing of tissue causing injury similar to thermal burn. Waste Disposal Method: Controlled burning. Contact supplier.

Section VIII SPECIAL PROTECTION INFORMATION

Respiratory Protection: Stay out of gas or vapor (because of fire hazard).

Ventilation: Explosion-proof motors and keep sources of ignition at safe distances.

Personal Protective Equipment and Apparel: Gloves resistant to the actions of LP-gases, goggles for protection against accidental release of pressurized products.

Section IX SPECIAL PRECAUTIONS

Precautions to be taken when handling and storing: Keep containers away from heat sources. Store in upright position. Containers should not be dropped. Keep container valve closed when not in use. Other Precaution: Install protective caps and plug container service valve when not connected for use.

Section X TOXICOLOGICAL INFORMATION

OSHA Carcinogen Classification (29 CFR 1910) Not listed/applicable ___X___ U.S. Department of Health (21 CFR 184.1655): Generally recognized as safe (GRAS) as a direct human food ingredient when used as a propellant, aerating agent and gas a as defined in Section 170.3(o)(25).

Section XI DOT LABELING INFORMATION (49 CFR 100-199)

Proper shipping name: Identification No.:

Liquefied Petroleum Gas UN 1075

Hazardous Classification: Label(s) Required: Flammable Gas and

2.1 Flammable Gas Liquefied Petroleum Gas or Propane

Section XII ISSUE INFORMATION

Issue Date: July 1, 2000

This material safety data sheet and the information it contains is offered to you in good faith as accurate. This Supplier does not manufacture this product but is a supplier of the product independently manufactured by others. Much of the information contained in this data sheet was received from sources outside our Company. To the best of our knowledge this information is accurate, but this Supplier does not guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is user's obligation to evaluate and use this product safely, comply with all applicable laws and regulations and to assume the risks involved in the use of this product.

NO WARRANTY OR MERCHANT ABILITY, FITNESS FOR ANY PARTICULAR PURPOSES, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OR COMPLETENESS OF THIS INFORMATION, THE RESULTS TO BE OBTAINED FROM THE USE OF THIS INFORMATION OR THE PRODUCT, THE SAFETY OF THIS PRODUCT, OR THE HAZARDS RELATED TO ITS USE. THIS INFORMATION IS COPIED AND REPRINTED FROM INFORMATION OBTAINED FROM PUBLIC SOURCES THAT MANUFACTURE OR PRODUCT THE CHEMICAL PRODUCTS LISTED.

For additional information contact: Siegel Gas & Oil Corp. (305) 691 4411